INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/09185

	SIFICATION OF SUBJECT MATTER Cl ⁷ H01L 21/306		
According to	o International Patent Classification (IPC) or to both na	tional classification and IPC	
	S SEARCHED		
Int.	ocumentation searched (classification system followed land). Cl ² H01L 21/304, 21/306, 21/30	08	
Jits Koka:	tion searched other than minimum documentation to the suyo Shinan Koho 1926-1996 ti Jitsuyo Shinan Koho 1971-2001	Jitsuyo Shinan Toroku Ko Toroku Jitsuyo Shinan Ko	oho 1996-2001 oho 1994-2001
Electronic da	lata base consulted during the international search (name	e of data base and, where practicable, sear	rch terms used)
C. DOCUI	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap		Relevant to claim No.
EX	JP, 2001-68444, A (Mitsubishi Ma 16 March, 2001 (16.03.01) (Far EP, 864533, A2 (Shinetsu Handot	mily: none)	1-8,18
A X	16 September, 1998 (16.09.98), Claims Fig. 1,Fig. 2 & JP, 10-310883, A		9-15 16-20
A	<pre>JP, 11-162953, A (Mitsubishi Materials Silicon Corp.), 18 June, 1999 (18.06.99) (Family: none)</pre>		1-20
A	JP, 3-1537, A (Shin Etsu Handotai Co., Ltd.), 08 January, 1991 (08.01.91) (Family: none)		13-15
A	JP, 5-291238, A (Nippon Steel C 05 November, 1993 (05.11.93)		13-15
		·	
_	er documents are listed in the continuation of Box C.	See patent family annex.	
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing 		"T" later document published after the inter priority date and not in conflict with the understand the principle or theory unde "X" document of particular relevance; the c considered novel or cannot be consider	e application but cited to erlying the invention claimed invention cannot be
special reason (as specified)		"Y" step when the document is taken alone document of particular relevance; the considered to involve an inventive step	laimed invention cannot be when the document is
"O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed combination being obvious to a person skilled in the argument document member of the same patent family		skilled in the art amily	
27 M	actual completion of the international search March, 2001 (27.03.01)	Date of mailing of the international searce 03 April, 2001 (03.0	
	nailing address of the ISA/ anese Patent Office	Authorized officer	
Facsimile No.		Telephone No.	



F0575PCT

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0	For receiving Office use only		
0-1	International Application No.		
0-2	International Filing Date		
0-3	Name of receiving Office and "PCT International Application"		
0-4	Form - PCT/RO/101 PCT Request		
0-4-1	Prepared using	PCT-EASY Version 2.91 (updated 01.01.2001)	
0-5	Petition	(4)	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty		
0-6	Receiving Office (specified by the applicant)	Japanese Patent Office (RO/JP)	
0-7	Applicant's or agent's file reference	F0575PCT	
ī	Title of invention	ETCHANT, ETCHING METHOD AND SEMICONDUCTOR SILICON WAFER	
11	Applicant		
II-1	This person is:	applicant only	
II-2	Applicant for	all designated States except US	
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II-7	State of residence	JP	
II-8	Telephone No.	03-3214-1831	
11-9	Facsimile No.	03-3215-9040	
111-1	Applicant and/or inventor		
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III-1-7	State of residence	JP	

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IV-1	Agent or common representative; or address for correspondence		
	The person identified below is hereby/has been appointed to act on	agent	
	behalf of the applicant(s) before the competent International Authorities as:		
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V-1-3	Telephone No.	03-3269-2611	
IV-1-4	Facsimile No.	03-3269-3590	
,	Designation of States		
V-1	Regional Patent	EP: AT BE CH&LI CY DE DK ES FI FR GB GR	
	(other kinds of protection or treatment, if any, are specified between	IE IT LU MC NL PT SE TR and any other	
	parentheses after the designation(s)	State which is a Contracting State of	
	concerned)	the European Patent Convention and of	
		the PCT	
/-2	National Patent	KR SG US	
	(other kinds of protection or treatment, if any, are specified between		
	parentheses after the designation(s) concerned)		
/-5	Precautionary Designation Statement		
	In addition to the designations made		
	under items V-1, V-2 and V-3, the		
	applicant also makes under Rule 4.9(b) all designations which would be		
	permitted under the PCT except any		
	designation(s) of the State(s) indicated under item V-6 below. The applicant		
	declares that those additional		
	designations are subject to confirmation and that any designation which is not		
	confirmed before the expiration of 15		
	months from the priority date is to be regarded as withdrawn by the applicant		
	at the expiration of that time limit.		
V-6	Exclusion(s) from precautionary designations	NONE	
VI-1	Priority claim of earlier national		
/I-1-1	application Filing date	28 December 1999 (28.12.1999)	
/I-1-2	Number	11-374052	
/I-1-3	Country	JP	
/11-1	International Searching Authority Chosen	Japanese Patent Office (JPO) (ISA/JP)	

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VIII	Check list	number of sheets	electronic file(s) attached
VIII-1	Request	-4	-
VIII-2	Description	11	-
VIII-3	Claims	2	-
VIII-4	Abstract	1	-
VIII-5	Drawings	2	-
VIII-7	TOTAL	20	
	Accompanying items	paper document(s) attached	electronic file(s) attached
VIII-8	Fee calculation sheet	√	-
VIII-16	PCT-EASY diskette	-	diskette
VIII-18	Figure of the drawings which should accompany the abstract	1	
VIII-19	Language of filing of the international application	Japanese	
IX	Signature of applicant or agent		
IX-1	Name (LAST, First)		
IX-2	Capacity		

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	,
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/JP
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by	
	the International Bureau	